

PRYAKHIN, A.I.; CHERNIYSHOVA, M.B.

New data on alluvium in the upper Aldan Valley. Vest. Mosk. un. Ser. 4:
Geol. 18 no.6:42-52 N-D '63. (MIRA 18:7)

1. Kafedra gidrogeologii Moskovskogo universiteta.

PRYAKHIN, A.I.

Manifestation of recent tectonics in the relief of Pre-Pliocene
deposits in the Ul'yanovsk area of the trans-Volga region. Vest.
Mosk.un.Ser.biol., pochv., geol.,geog. 14 no.4:135-142 '59.
(MIRA 13:6)

1. Kafedra hidrogeologii Moskovskogo universiteta.
(Ul'yanovsk Province--Geology, Structural)

PRYAKHIN, A.I.

On one indication of the insular permafrost in the Argun Valley.
Izv.vys.ucheb.zav.;geol.i razv. 3 no.2:135-139 F '60. (MIRA 15:5)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova,
(Argun Valley (Ust-Karsk District)--Frozen ground)

PRYAKHIN, A.I.

Glacial and geological phenomena in Tertiary and Quaternary sediments in the Kama, Vyatka and Belaya Valleys. Nauch.dokl.vys.sko-
ly; geol.-geog.nauki no.2:163-168 '58. (MIRA 12:2)

1. Moskovskiy universitet, geologichskiy fakul'tet, kafedra gidro-
geologii.

(Kama Valley--Geology, Stratigraphic)

(Vyatka Valley--Geology, Stratigraphic)

(Belaya Valley--Geology, Stratigraphic)

BARICHEV, Ye.A.; BUROVA, N.N.; GOLODKOVSKAYA, G.A.; DOBRUSKINA, I.A.;
KAGNER, M.N.; KONOPEL'VA, V.I.; KRASIL'VA, N.S.; LEONOV, G.P.;
MURZAYEVA, V.E.; PODRABINEK, R.A.; PRYAKHIN, A.I.; RYZHOV,
B.V.; SERGEYEV, Ye.M.; FEDCROV, T.O.; FIDELLI, I.F.; EPSHTEYN,
G.M.[deceased]; SHCHEKHURA, I.I., red.; GEORGIYEVA, G.I., tekhn.
red.

[Geology and engineering geology of the upper Amur Valley]Geo-
logicheskoe stroenie i inzhenerno-geologicheskaiia kharakte-
ristika doliny Verkhnego Amura. Moskva, Izd-vo Mosk. univ.,
1962. 317 p.

(MIRA 16:3)

(Amur Valley--Geology)

(Amur Valley--Engineering geology)

PRYAKHIN, A.I.

Slides in the lower Vyatka Valley. Vest.Mosk.un.Ser.4: Geol.
15 no.2:54-59 Mr-Ap '60. (MIRA 14:4)

1. Kafedra gidrogeologii Moskovskogo universiteta.
(Vyatka Valley--Landslides)

PRYAKHIN, A.P.

Accuracy of topographic surveys in methods of establishing a
field and frequency sounding. Razved.i prom. geofiz. no.43:72-
79 '62. (MIRA 15:8)

(Electromagnetic prospecting) (Topographical surveying)

PRYAKHIN, G.G., inzh.

[Dust protection in building coke ovens] Bor'ba s pyl'i u na
stroitel'stve koksovykh pechei; iz opyta raboty tresta Koksokhimmon-
tazh Glavmetallurgmontazha. Moskva, Tekhn. upr. Tsentr. biuro tekhn.
informatsii, 1960. 37 p. (MIRA 14:10)

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye po montazhu metal-
lurgicheskikh predpriiatii.
(Coke ovens) (Dust--Prevention)

KORCHANOV, L.S., polkovnik med.sluzhby, kand.med.nauk; PRYAKHIN, I.I.,
polkovnik med.sluzhby; YAKUBENKO, A.V., polkovnik med.sluzhby

Characteristics of some forms of combined radiation injuries and their
treatment. Voen.-med.zhur. no.7:44-49 Jl '58. (MIRA 12:12)
(RADIATIONS, eff.

on exper. wds. healing (Rus))

(WOUNDS AND INJURIES, exper.

eff. of radiations on healing (Rus))

(INFECTION, exper.

in traum. wounds, eff. of radiations on healing (Rus))

17(10)

SCV/177-58-7-9/28

AUTHOR: Korchanov, L.S., Candidate of Medical Sciences,
Pryakhin, I.I. and Yakubenko, A.V., Colonels of the
Medical Corps

TITLE: Characteristic of Several Kinds of Combined Radiat-
ion Injuries and Their Treatment

PERIODICAL: Voyenno-meditsinskiy zhurnal, 1958, Nr 7, pp 44-49
(USSR)

ABSTRACT: This article is an attempt to generalize the ex-
perimental material for studying the effect of pene-
trating radiation in combination with traumas
and wound infections. I.A. Feymer and A.A. Nikitin
experimentally proved that a 800-r radiation of rab-
bits disturbs their hemodynamics. According to data
of A.A. Nikitin, I.A. Feymer (1952), V.M. Burnistrov,
V.G. Slinko, K.K. Zaytseva (1956), traumas aggravate
the hemodynamic disturbance and increase the death-
rate of radiated animals. Similar results were ob-
tained by I.I. Pryakhin, L.S. Korchanov (1953-55).

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SOV/177-58-7-9/28

Characteristic of Several Kinds of Combined Radiation Injuries
and Their Treatment

Based on their experiments, A.V. Yakubenko (1953), M.N. Kondrat'yev (1955) and V.K. Kulagin (1955) stated that in radiated animals the initial phase of a shock lasts longer than in non-radiated animals. The complex therapy of a traumatic shock in the initial period of the radiation sickness in dogs is fully efficacious but data of T.K. Dzharak'yan and G.F. Fakhrutdinov (1954) prove that intravenous injection of novocaine exerts an unfavorable effect on the course of acute radiation sickness in animals. According to data of I.I. Pryakhin (1954), the intramuscular injection of anti-gangrene serum in combination with penicillin prevents an anaerobe infection in dogs. Based on their own investigations of wounds of the soft tissue, complicated by an anaerobe and purulent-saprogenic infection in rabbits suffering from second and third stage radiation sickness, the authors conclude that in the initial period

Card 2/4

SOV/177-58-7-9/28

Characteristic of Several Kinds of Combined Radiation Injuries
and Their Treatment

of the radiation sickness the natural non-specific resistency of animals to wound infections is reduced. A.V. Spittler, I.V. Betch and B.A. Rutled (1954), A.G. Zemlyancy (1955) and I.L. Krupko ascertained that the processes in the organism during the climax period of the radiation sickness take a negative effect on the formation of young osteogen tissue. The experimental material makes the authors conclude that penetrating radiation changes the reactivity of the organism, and radiation of animals with sublethal and lethal doses cause a disturbance of the haemodynamics in form of a pronounced hypotonia. General radiation with large X-ray doses has no effect on the arterial pressure. Mutual aggravation of pathological processes in combination with a trauma and injuries due to penetrating radiation generally have no biological regularity, but depend on the individual features of the animals.

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SOV/177-58-7-9/28

Characteristic of Several Kinds of Combined Radiation Injuries
and Their Treatment

According to Gempel'man, Lisko and Gofman (1954) changes of the vascular tonus in a human after a general radiation are similar to the changes observed in rabbits. P.D. Gorizontov (1955) stresses the importance of the toxemic factor in the development of radiation disease. The physician's main task in the initial period of radiation sickness consists in taking measures to quickly heal the wound. The authors recommend in combined injuries the application of antibiotics, beginning from the latent period, blood transfusion and vitamin complex. There is 1 Soviet reference.

Card 4/4

KOZKO, Fedor Isaekovich; PRYAKHIN, Ivan Mikhaylovich; KIRZHNER, D.M.,
retsenzent; CHEREVIK, A.K., retsenzent; BOYKO, A.A., otv. red.;
SEROVA, V.A., red. izd-va; BOLDYREVA, Z.A., tekhn. red.

[The economics, organization and planning of production in coal
mines]Ekonomika, organizatsiia i planirovanie proizvodstva na
ugol'nykh shakhtakh. Moskva, Gosgortekhizdat, 1962. 397 p.
(MIRA 16:1)

(Coal mines and mining)

BOYKO, A.A.; PRYAKHIN, I.M., gornyy inzh.-ekonomist

"Handbook on coal mining economics" by M.K.Bogashev, D.M.Kirzhner,
M.I.Chetyrkin. Reviewed by A.A.Boyko, I.M.Priakhin. Ugol' 36
no.8:63-64 Ag '61. (MIRA 14:9)

1. Gosplan SSSR (for Boyko). 2. Skopinskiy gornyy tekhnikum (for
Pryakhin).

(Coal mines and mining) (Bogashev, M.K.)
(Kirzhner, D.M.) (Chetyrkin, M.I.)

PASHCHENKO, Daniil Vasil'yevich; TITKOV, Vasiliy Semenovich; PRYAKHIN, I.M.,
otv.red.; MIROSHNICHENKO, V.D., red.izd-va; KONDRA'T'YEVA, M.A.,
tekhn.red.; GALANOVA, V.V., tekhn.red.

[Analysis of the management of coal mining enterprises] Analiz
khoziaistvennoi deiatel'nosti predpriatii ugol'noi promyshlen-
nosti. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu,
1960. 206 p. (MIRA 14:4)

(Mine management)

PRYAKHIN, Ivan Mikhaylovich; SEREBRYANYY, A.G., otv.red.; OSVAL'D, E.Ya.,
red.izd-va; BERESLAVSKAYA, L.Sh., tekhn.red.

[Economics of coal mining] Ekonomika ugol'noi promyshlennosti.
Moskva, Gos.sauchno-tekhn.izd-vo lit-ry po gornomu delu, 1959.
214 p. (MIRA 12:12)
(Coal mines and mining)

PRIYAKHIN, Ivan Petrovich; GROSHEV, B.I., red.; ARNOL'DOVA, K.S., red.
izd-va; PARAKHINA, N.L., tekhn.red.

[Tula forest belt; natural history study and prerequisites for
the improvement of forestry] Tul'skie zaseki; estestvennoisto-
richeskii ocherk i predposyлki k podzemnyu knig' tury lesovedstva v
zasekakh. Moskva, Goslesbumizdat, 1960. 125 p.

(MIRA 13:10)

(Tula Province--Forests and forestry)

GERASIMOV, Vasiliy Ivanovich, inzh.; PAUKOV, Yelisey Vasil'yevich, inzh.;
PASHKEVICH, Aleksey Il'ich, inzh.; PRYAKHIN, Leonid Grigor'yevich,
inzh.; PELESHUK, M.I., inzh., nauchnyy red.; VLASOV, P.Ye., red.
izd-va; EL'KINA, E.M., tekhn.red.

[Use of refractories and construction of coke ovens] Ogneupornye
i montazhnye raboty pri stroitel'stve koksovykh tsekhov. Moskva,
Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1960.
498 p.

(MIRA 13:12)

(Coke ovens)

PRYAKHIN, L.G.

68-1-10/21

AUTHOR: Simachev, L.V., Peleshuk, M.I., Gekhtman, D.Ya.,
Shpeyyer, N.A., Pryakhin, L.G. and Gerasimov, V.I.

TITLE: Comments on the Paper of R.Z. Lerner "On Changes in the
Composition of the Coke Oven Department for a Considerable
Increase in the Number of Coke Ovens in a Battery".
(Otkliki na statyu R.Z. Lernera "Ob izmenenii komponovki
koksovogo tsekha dlya znachitel'nogo uvelicheniya chisla
pechey v batareye")

PERIODICAL: Koks i Khimiya, 1957, No.1, pp. 35 - 36 (USSR)

ABSTRACT: These relate to the paper published in Koks i Khimiya,
1956, No.4. The authors agree with the proposals of R.Z.
Lerner (batteries of 100 ovens) and consider that 4 batteries
of the proposed type should be urgently designed.
There is 1 table.

ASSOCIATION: Glavmekhanomontazh and Koksokhimmontazh.

AVAILABLE: Library of Congress

Card 1/1

KAYNARSKIY, I.S.; DEGTYAREVA, E.V.; PINDRIK, B. Ye.; KUKHENTKO, V.A.;
KULAKOV, N.I.; BEL'CHENKO, B.I.; IVNITSAYA, N.S.; SMORODA, I.M.;
SHAROV, M.F.; KOZIN, L.M.; KVASHA, A.S.; PELESHCHUK, M.I.; PRYAKHIN,
L.G.; LEVINA, L.I.; DANILOV, V.I.; DIDENKO, S.Yu. PROTSENKO, G.A.

Reducing dust formation from dinas bricks and dinas mortar.
Ogneupory 29 no.3:109-112 '64 (MIRA 17:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov
(for Kaynarskiy, Degtyareva, Pindrik, Kukhtenko).
2. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy koksokhimicheskoy promyshlennosti (for Kulakov, Bel'chenko, Ivnitskaya).
3. Vsesoyuznyy trest po stroitel'stvu i montazhu koksokhimicheskikh zavodov (for Peleshchuk, Pryakhin, Levina).
4. Ukrainskiy nauchno-issledovatel'skiy institut gigiyeny truda i professional'nykh zabolеваний (for Danilov, Didenko, Protsenko).

PRYAKHIN, M.I.

Cultivation of ornamental plants along the middle Pechora.
Trudy Bot.inst.Ser.6 no.4:232-251 '55. (MIRA 9:2)
(Pechora Valley--Plants, Ornamental)

PRYAKHIN, M.I.

Seasonal changes in the aspects of the main types of vegetation
in the Pamir-Alay low mountain range. Izv.Vses.geog.ob-va 95
no.1:60-71 Ja-F '63. (MIRA 16:4)
(Pamir-Alay--Botany)

PHYAKHIN, M.I., kand.biol. nauk, otv. red.; KANASH, O.A., red.;
ASTAKHOV, A., red.; GOR'KOVAYA, Z.P., tekhn. red.

[New industrial crops in Uzbekistan] Novye tekhnicheskie kul'-
tury v Uzbekistane. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR,
1962. 137 p. (MIRA 15:7)

1. Akademiya nauk Uzbekskoy SSR, Tashkent. Institut botaniki.
(Uzbekistan--Botany, Economic)

PRYAKHIN, M. I.

Palms in Leninabad. Bot. zhur. 45 no.5:710-712 My '60.
(MIRA 13:?)

1. Botanicheskiy institut Akademii nauk Uzbekskoy SSSR, Tashkent.
(Leninabad--Palms)

PRYAKHIN, M.I.

Seasonal aspects of the semisavanna vegetation of the Belesynyk Range;
characteristics of semisavanna as a vegetation type. Bot. zhur. ⁴⁴
no.7:968-972 Jl '59. (MIRA 12:12)

1.Botanicheskiy institut AN Tadzhikskoy SSSR, Leninabad.
(Belesynyk Range--Plant communities)

PRYAKHIN, M.I.

Seasonal succession of the aspects of main types of pistachio groves in the southern Pamir-Alai. Bot.zhur. 47 no.4:552-560 Ap '62. (MIRA 15:8)

1. Botanicheskiy institut AN Uzbekskoy SSR, Tashkent.
(Pamir-Alai--Pistachio)

PRYAMIN, N.I., Cand. Bio. Sci--(disc) "Useful plants of Central Pschora
(~~G~~ Vitamin-bearing, medicinal, and decorative), and ~~the~~ emergence of ^{broadening} ~~order-~~)
~~their~~ distribution by means of introduction." Esh, 1953. 21 pp (Acad
Sci USSR. Inst. Botany) 150 copies (KL, 26-53, 108)

Plyshkin, M. I., Master Biology Sci -- (alias) "The investigation, introduction and acclimatization of decorative, medicinal and vitamin-containing plants in the Central Pechora district." Leningrad, 1957, 17 pp, (AS USSR. Botanical Inst im. V. L. Komarov), 110 copies (KL, No 40, 1957, p.92)

PRYAMIK, M.I.; ABDULKHAMIDOV, N.A.

Achnia turkestanica in the Western Gissar Range and the
prospects of its utilization. Bot. zhur. 49 no.12:1772-1777
(MIRA 18:2)

M. I. Pryamik Institute of Botany AN Tadzhikskoy SSR, Leningrad.

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343420010-3

PRYAKHIN, M.I. (Leninabad)

Evergreen trees and shrubs in Leninabad. Bot. zhur. 45 no.4:588-592
Ap '60. (MIRA 14:5)

(Leninabad--Evergreens)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343420010-3"

Pryakhin, N.P.

USSR/Electronics - Semiconductor Devices and Photocells, H-8

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35209

Author: Pryakhin, N. P.

Institution: None

Title: Parameters and Methods of Calculating a Crystal Detector

Original

Periodical: Sb. statey nauch. stud. o-va Mosk. energ. in-t., 1955, No 8, 176-183

Abstract: None

Card 1/1

PRYAKHIN, N.S. (Rostov-na-Donu)

Analytical design of controllers. Avtom. i telem. 24 no.9:
1183-1186 S '63. (MIRA 16:9)
(Automatic control)

DEYCH, M.Ye.; STEKOL'SHCHIKOV, Ye.; SHKARLET, Yu.; ZHELUDOV, V.;
PRYAKHIN, V.

Automation of static tests in studying aerodynamic cascades
of profiles. Trudy MEI no.49:38-53 '63. (MIRA 17:3)

PRYAKHIN, V.

Ways of increasing labor productivity. Mast. ugl. 4 no.1:3-5
Ja '55. (MLRA 8:6)

1. Nachal'nik shakhty imeni Rumyantseva kombinata Stalinugol'
(Coal mines and mining)

BYALOBZHESKIY, Grigoriy Valerianovich, nauchnyy sotrudnik; PRYAKHIN, Viktor Dmitrievich, nauchnyy sotrudnik; UTKIN, Boris Vasil'yevich, nauchnyy sotrudnik; YAKUNINA, Valentina Vladimirovna, nauchnyy sotrudnik; SERGEYEV, A.F., red.; ZUYEVA, N.K., tekhn.red.

[Winter maintenance of automobile roads] Zimnee soderzhanie avtomobil'nykh dorog. Moskva, Nauchno-tekhn.izd-vo avtotransp. lit-ry, 1958. 120 p. (MIRA 11:5)

1. Gosudarstvennyy vsesoyuznyy dorozhnyy nauchno-issledovatel'skiy institut (for Byalobzheskiy, Prykin, Utkin, Yakunina) (Roads--Maintenance and repair)

PRYAKHIN, V.A.

Aiming for a higher labor productivity. Ugol' Ukr. 4 no.12:21-23
D '60. (MIRA 13:12)

1. Nachal'nik shakhty im. Rumyantseva tresta Kalininugol'.
(Donets Basin—Coal mines and mining—Labor productivity)

MATYAKIN, Georgiy Il'ich, kand. sel'khoz. nauk; PRYAKHIN, V.D.,
nauchnyy sotr.; PROKHOROVA, Z.A., nauchnyy sotr.; KOVRYZHNYKH,
L.P., red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Tree belts for snow protection] Snagozashchitnye lesnye polosy.
Moskva, Avtotransizdat, 1962. 77 p. (MIRA 16:1)
(Windbreaks, shelterbelts, etc.) (Highway research)

PRYAKHIN, Viktor Dmitriyavich; SARSATSKIKH, P.I., redaktor; MAL'KOVA, N.V.
tehnicheskiy redaktor

[Landscaping automobile roads] Ozelenenie avtomobil'nykh dorog.
Moskva, Nauchno-tekhn.izd-vo avtotransp.lit-ry, 1957. 53 p.
(Roadside improvement) (MLRA 10:8)

BYALOBZHESKIY, Grigoriy Valerianovich, kand.tekhn.nauk; MATYAKIN, Georgiy Il'ich, kand.sel'skokhoz.nauk; PROKHOROVА, Zara Aleksandrovna, nauchnyy sotrudnik; PRYAKHIN, Viktor Dmitriyevich, nauchnyy sotrudnik; IVANOV, S.S., red.; MAL'KOVA, N.V., tekhn.red.

[Using narrow forest snowbreaks along highways] Primenenie uzkikh snegozashchitnykh lesnykh polos na avtomobil'nykh dorogakh. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transporta i shosseinykh dorog RSFSR, 1960. 37 p. (MIRA 13:11)
(Windbreaks, shelterbelts, etc.)
(Roads---Snow protection and removal)

PRYAKHIN, V.D.; BYALOBZHESKIY, G.V.

Combine snow control on roads with snow retention in adjacent fields.
Avt. dor. 19 no. 2:22-23 P '56. (MLRA 9:6)
(Snow fences)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343420010-3

PRYAKHIN, V.P., inzh.-mekhanik (stantsiya Vyazovaya).

Device for measuring rail wear. Put' i put. khoz. no.1:42 Ja '58.
(Railroads--Rails) (MIRA 11:1)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343420010-3"

PRYAKHIN, V.P., inzh-mekhanik (stantsiya Vyazovaya)

Press for manufacturing insulating parts of joints. Put' i put.
khoz. no.3:38-39 Mr '58. (MIRA 11:4)
(Power presses)

FILIPPOV, G.A., kand. tekhn. nauk; PRYAKHIN, V.V., inzh.

Calculation of the discharge characteristics of a nozzle
apparatus. Teploenergetika 12 no.11:29-34 N '65.

(MIRA 18:10)

I. Moskovskiy energeticheskiy institut.

DEYCH, M.Ye., doktor tekhn. nauk, prof.; FILIPPOV, G.A., kand. tekhn. nauk;
BARANOV, V.A., kand. tekhn. nauk; PRYAKHIN, V.V., inzh.; KUSTOV, O.P.,
inzh.

Effect of humidity on the efficiency of a bandaged and nonbandaged
turbine stage. Energomashinostroenie 10 no.8:21-26 Ag '64.
(MIRA 17:11)

DEYCH, M.V., doktor tekhn. nauk; FILIPOV, G.A., kand. tekhn. nauk;
PRYAKHIN, V.V., inzh.

Calculation of the efficiency of stages operating on wet steam.
(MIRA 18:3)
Teploenergetika li no.10:47-50 O '64.

I. Moskovskiy energeticheskiy institut.

Effect of the height and size operating parameters of the vanes
on the efficiency of a turbine stage operating on wet steam.
Teploenergetika 12 no.2:29-32 MF '65. (NPA 13:3)

1. Moskovskiy energeticheskiy institut.

I 21734-66 EWT(d)/EWT(1)/EWP(m)/EWT(m)/EWP(w)/EWP(v)/T-2/EWP(k)/EWA(h)/ETC(m)-6/EWA(1)
ACC NR: AP6005889 (N) SOURCE CODE: UR/0096/65/000/011/0029/0034
WW/EM

AUTHOR: Filippov, G. A. (Candidate of technical sciences); Fryakhin,
V. V. (Engineer)

ORG: Moscow Power Institute (Moskovskii energeticheskii institut)

TITLE: Calculation of the discharge characteristics of nozzle
equipment

SOURCE: Teploenergetika, no. 11, 1965, 29-34

TOPIC TAGS: turbine design, gas discharge, nozzle flow

ABSTRACT: To calculate the discharge of steam or gas through the nozzles and the working grids of a turbine, it is necessary to know the true nature of the flow of the steam or the gas in the channels. The presence of a boundary layer on the contours of the profiles, non-uniformity of the pressure and velocity fields over the cross section of the channel, secondary currents, deviation of the parameters of the steam from equilibrium conditions during expansion of wet steam, and other factors which are difficult to calculate, lead to a deviation of the actual discharge from the theoretical. For this reason in practical calculations, there are introduced discharge coefficients, equal to the

UDC: 621.165:533.6.001.24

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Card 1/2

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ACC NR: AP6005889

ratio of the actual to the theoretical discharge, $\mu = G/G_T$. Using these coefficients, the article presents a method of calculating the effect of various geometric and operating parameters, as well as of the moisture content of the steam, on the discharge characteristics of turbine stages. Orig. art. has: 14 formulas and 6 figures.

SUB CODE: 13, 20/ SUBM DATE: none/ ORIG REF: 002

Card 2/2 *LJL*

PRYAKHIN, Ya., inzhener.

An improved boring machine. Mast.ugl. 4 no.12:12 D '55. (MLRA 9:3)
(Boring machinery)

PRYAKHIN, Ya. inzhener

Installation for leveling coal loads on railroad cars. Mast.
ugl. 4 no. 2:22 F '55. (MLRA 8:6)
(Coal handling machinery)

PRYAKHIN, Ya. inzhener

More efficient lubrication for the bearing cable of suspended
conveyors. Mast. ugl. 4 no.3:23 Mr '55. (MLRA 8:6)
(Wire rope transportation)

PRYAKHIN, Ya. inzhener

Proposals by innovators of the Stalinugol' combine enterprises.
Mast. ugл. 4 no.4:16-18 Ap '55. (MLRA 8:6)
(Stalino Province--Mining engineering)

ACC NR: AP7000520

SOURCE CODE: UR/0048/66/030/011/1765/1767

AUTHOR: Grigorov, N. L.; Kalinkin, L. F.; Melioranskiy, A. S.;
Nesterov, V. Ye.; Pryakhin, Ye. A.; Savenko, I. A.; Estulin, I. V.

ORG: none

TITLE: A study of high-energy γ -quanta at the upper limits of the
atmosphere [paper presented at the All-Union Conference on Physics of Cosmic Rays held in
Moscow from 15 to 20 November 1965]SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 11,
1966, 1765-1767TOPIC TAGS: gamma radiation, gamma counter, gamma detection, meteorologic
satellite, cosmic ray telescope, scintillator, Cherenkov counterABSTRACT: The satellites Proton-1 and Proton-2 carried equipment de-
signed to detect gamma rays with energies above 50 Mev and to measure
their spectrum. The equipment (see Fig. 1) comprised a telescope
formed by a γ -quanta converter consisting of a sandwiched plastic scin-
tillator, and a Cherenkov counter with a radiator made from lead-con-
taining glass which detected the energy and direction of gamma rays.
The telescope detectors were placed inside a cover made of a scin-
tillator plastic which protected the telescope from the noise of charged
particles in selecting of anticoincidences. In addition to gamma
radiation, the equipment was capable of registering pulses from other

Card 1/3

ACC NR: AP7000520

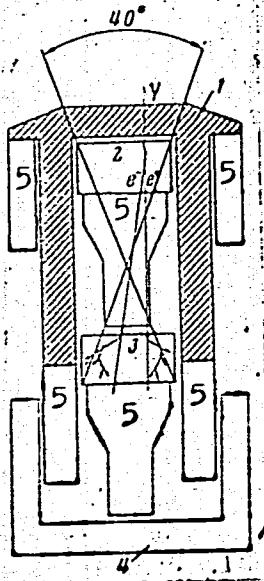


Fig. 1. Block diagram of the equipment

1 - Plastic scintillator; 2 - sandwich crystal;
3 - lead-containing glass; 4 - electronic cir-
cuits; 5 - photomultipliers.

Card 2/3

ACC NR: AP7000520

electrically neutral particles (neutrons for example), as well as the flow of charged particles with energies that exceeded the luminescence threshold of the Cherenkov counter radiator. The flow of γ -quanta with energies exceeding 5 Mev was approximately $2 \times 10^{-3} \text{ cm}^{-2} \cdot \text{sterad}^{-1} \cdot \text{sec}^{-1}$; this value is in good agreement with the values obtained by other researchers. Orig. art. has: 3 figures.

[WA-75]
[IV]

SUB CODE: 04, 1880/ SUBM DATE: none/ ORIG REF: 004/
OTH REF: 006

Card 3/3

45422
9/058/63/000/001/047/120
A160/A101

14.660

AUTHORS: Azimov, S. A., Abdullayev, R. S., Kochetkov, G. A., Kratenko, Yu. P.,
Polyak, Yu. V., Pryakhin, Ye. A.

TITLE: The interaction of nucleoactive particles with an energy of
 $\geq 2 \cdot 10^{11}$ ev - with lead nuclei

PERIODICAL: Referativnyy zhurnal, Fizika, no. 1, 1963, 33, abstract 1V220
("Dokl. AN UzSSR", no. 1, 1962, 9 - 13, summary in Uzbek)

TEXT: An investigation was carried out of the interaction of nucleoactive particles with an energy of more than $2 \cdot 10^{11}$ ev with lead nuclei at a height of 3160 m above sea level with the help of an installation consisting of hodoscopic counters and ten rows of ionization pulse chambers between which absorber layers were placed. It was established that the mean value of the coefficient K_{π^0} which characterizes the part of the energy transmitted to the π^0 -mesons by the nucleoactive particles during the collision equals $K_{\pi^0} = 0.31 \pm 0.02$. An analysis carried out of the effect of the avalanches resulting from the secondary interactions revealed that the secondary interactions do not contribute an essential error in

Card 1/2

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343420010-3

PRYAKHIN, Yu.P.; DROFA, V.K.; STRAYZHIS, V. [Straižis, V.]; RUBASHEVSKIY,
A.A.

Auroras borealis. Astron.tsir. no.202:22 Je '59.
(Auroras) (MIRA 13:4)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343420010-3"

PRYAKHIN, Yu.

Observations of a bright fireball in Kazakhstan on August 6, 1958. Astron.tsir. no.203:16 Je '59. (MIRA 13:4)

1. Sovkhoz Isengel'dinskiy Murinskogo rayona Karagandinskoy oblasti, Kazakhstan.

(Meteors--August)

PRYAKHIN, Yu. (Kazakhstan)

Observation of a fireball in Kazakhstan on August 12, 1958.
Astron.tsir. no.203:16-17 Je '59. (MIRA 13:4)
(Meteors--August)

PRYADCHENKO, A.

Hybrid corn. Nauka i zhizn' 24 no.9:49-50 S '57. (MLRA 10:9)

1. Chlen-korrespondent Akademii nauk Rumynskoy Narodnoy Respubliki.
(Rumania--Corn breeding)

PRYADKIV, N. M.

Recomporator for Heating the Cupola Blast. N. M. Polyakkin. (*Litovsk. Prav. i Sostoy.* 1884, 11-12.) [See also *Chemical News*, 1884, 11, 12.] The recomporator is described which includes a dust-catcher. The blast to a cupola can be heated to 300° C. and over.—*A. K.*

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343420010-3"

PRYADKIN, N.M.

Regenerator for preheating cupola furnace air blasts. Lit.proisv.
no.6:11-12 S '54. (MIRA 7:10)
(Cupola furnaces)

BAKUNTS, V.S., inzhener; BAKINOVSKIY, K.L., inzhener; ALEKSEYENKO, S.A.;
PRYAKHIN, inzhener; PILILYAN, D.G. (Krasnodar); TEREKHOV, P.A., inzhener;
KLEYN, R.N., inzhener (Leningrad); GASSOKH, A., inzhener; GUSEV, T;
ALEKSANDROV, elektromonter (Omskaya oblast'); SAVIN, I.A., inzhener;
KOLOMEYETS, I. (Omskaya oblast').

Arranging and insulating the ground wire of aerial lines. Energetik 1 no.6:
32-35 N '53.

1. Zakavkaztsvetmetstroy, g. Yerevan (for Bakunts).
2. Belenergostroy, g. Minsk (for Bakinovskiy).
3. Stalinskaya zheleznaya doroga, g. Zaporozh'ye (for Alekseyenko).
4. Sel'elektro, g. Sumy (for Terekhov).
5. Glavsel'-elektro, Komi ASSR (for Gassokh).
6. Gorelektroset', g. Shcherbakov (for Gusev).
7. Gorodskaya elektrostantsiya, g. Valuyki (for Aleksandrov).
8. Obisels'khosproyekt, g. Pakov (for Savin).

(Electric lines--Overhead)

PRYAKHIN, Ya., inzhener.

Coal dust protecting shield for the combine "Gorniak." Mast.ugl.3
no.10:20 O '54. (MLRA 7:12)

(Coal-mining machinery)

PRYAKHIN, A.I., inzhener.

Some problems of planning and landscape architecture in Moscow.
Gor.khoz.Mosk. 24 no.3:22-27 Mr '50. (MIRA 7:11)
(Moscow--Landscape architecture) (Landscape architecture--
Moscow)

PHYAKHIN, L.G.; GRIGORENKO, M.G., redaktor; KRASIL'SHCHIK, S.I., redaktor;
TOKER, A.M., tekhnicheskiy redaktor

[Booklet on safety measures for chamotte brick workers constructing
coke ovens] Pamiatka po tekhnike bezopasnosti dlia shamotchikov na
stroitel'stve koksovykh pechei. Miskva, Gos.izd-vo lit-ry po stroit.
i arkhit., 1955. 50 p. (MLRA 8:9)

1. Russia (1923- U.S.S.R.)Ministerstvo stroitel'stva predpriyatiy
metallurgicheskoy i khimicheskoy promyshlennosti. Upravleniye ra-
bochikh kadrov, truda i byta.
(Coke ovens) (Bricklaying-Safety measures)

PRYADILOV, Yu.N., kandidat tekhnicheskikh nauk.

Diode bridges used in voltage regulators. Trudy MATI no.33:39-56
'57. (MIRA 10:10)
(Voltage regulators)

PRYAKHIN, V.

We are improving the training of specialists. Prom.koop. 13
no.9:30 S '59. (MIRA 13:1)

1. Direktor Zagorskogo khudozhestvenno-promyshlennogo ushchili-
shcha igrushki, g.Zagorsk, Moskovskoy oblasti.
(Zagorsk--Vocational education)

PRYAKHIN, V

Lesnyye landshafty zelenoy zony moskvy (The wooded landscape of Moscow's green belt)
Moskva, Izd-vo ministerstva kommunal'nogo khozyaistva SSSR, 1954.
111 p. Illus., Diagrs., Map Tables

SO: 527N/5
729.4
.P9

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343420010-3

PRYAKHIN, V.A., inzh.; TRUNIN, S.F., inzh.; NOVOSEL'TSEV, P.I., inzh.

Type GR-3 explosion-proof mine locomotive with gyroflywheel. Ugol'
Ukr. 4 no.10:40-41 0 '60. (MIRA 13:10)
(Mine railroads) (Gyroscope)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343420010-3"

PRYAKHIN V.A.
KALABUKHOV, N.I.; PRYAKHIN, V.A.

Some ecological and physiological characteristics of the crested
jird *Meriones tamariscinus* Pall. and the jird *Pallasomys meridianus*
Pall. *Zool. zhur.* 33 no.4:889-903 Jl-Ag '54. (MLRA 7:8)

1. Privilzhskaya protivoepidemicheskaya stantsiya Ministerstva
zdravookhraneniya SSSR.
(Gerbils)

KOZHEVIN, V.G.; AFONIN, A.A.; FAT'YANOV, N.M.; SOLLOGUB, V.P.; KOZYUBERDA,
A.F., gornyy inzhener; PRYAKHIN, V.A.; SHINKOVSKIY, A.V.; SUKHACHEV,
D.A.

Let's be ready for the tenth celebration of Miners' Day with new
industrial achievements. Ugol' 32 no.8:4-17 Ag '57. (MLRA 10:9)

1. Kemerovskiy Sovnarkhoz (for Kozhevkin).
2. Glavnnyy inzhener tresta Pervomayskugol' (for Afonin).
3. Glavnnyy inzhener tresta Nesvetay-antratsit (for Fat'yanov).
4. Glavnnyy inzhener tresta Kopeyskugol' (Sologub).
5. Ayutinskoye shakhtoupravleniye (for Kozyuberda).
6. Shakhta im. Rumyantseva tresta Kalininugol' (for Pryakhin).
7. Nachal'nik ordena Lenina shakhty No.9 tresta Smezhnyanantratsit (for Shinkovskiy).
8. Nachal'nik shakhty No.22 "Lomintsevskaya tresta Shchekinugol'" (for Sukhachev).

(Coal mines and mining)

PRYAKHIN, V. D.

USSR (600)

Agriculture

"Vertical" landscape gardening. Moskva, 1951.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

IVANOV, V.I., professor; PRYADKINA, M.D.; VEDESHKINA, V.M.

Production of new forms of the vaccinal strain of Pasteurella pestis EV
76 following irradiation with radioactive isotopes. Med.rad. 1 no.2:
52-56 Mr=Ap '56. (MIRA 9:9)

1. Iz laboratorii osobo-opasaykh infektsii (zav.-prof. M.P.Pokrov-
skaya) i biokhimicheskoy laboratorii (zav. - prof. V.I.Ivanov)
Gosudarstvennogo kontrol'nogo instituta vaktsin i syvorotok imeni
Tarasevicha (dir. S.I.Didenko)

(PASTURELLA PESTIS, effect of radiations on,
radiophosphorus, prod. of vaccinal strain EV 76 (Rus))
(PHOSPHORUS, radioactive,
eff. of Pasteurella pestis, prod. of vaccinal strain
EV 76 (Rus))

KIVMAN, G.Ya.; PRYADKINA, M.D.; GUTOROVA, N.M.

Preparation for the detection and stimulation of growth of *Vibrio comma*. Zhur. mikrobiol. epid. i immun. no.12:61-66 D '55. (MLRA 9:5)

1. Iz laboratorii Gosudarstvennogo kontrol'nogo instituta sывороток i vaktein imeni L.A. Tarasevicha (dir.-S.I. Didenko)

(*VIBRIO COMMA*, culture,

medium containing *Bacillus mesentericus* filtrates
for detection & stimulation of growth.)

(*BACILLUS*,

mesentericus, filtrates in culture media for detection
& stimulation of growth of *Vibrio comma*)

(*CULTURE MEDIA*,

for *Vibrio comma*, eff. of *Bacillus mesentericus* filtrates
in detection & stimulation of growth)

PRYAKHIN, A.I.

Experience with soaking pit operation with liquid cinder removal.
Stal' 16 no.1:70-72 '56. (MLRA 9:5)

1. Kuznetskiy metallurgicheskiy kombinat.
(Stalinsk-Steel industry)

GRISHCHENKO, P.A.; PRYAKHIN, I.P.; GAL'TSOV, V.I.

Differentiated cultivation practices on virgin lands. Zemledelie
4 no.5:117-119 My '56. (MLRA 9:8)

1. Altayskiy sovkhoz, Kustanayskaya oblast'.
(Kazakhstan--Agriculture)

PRYAKHIN, V.A.; KUBANOV, M.I.

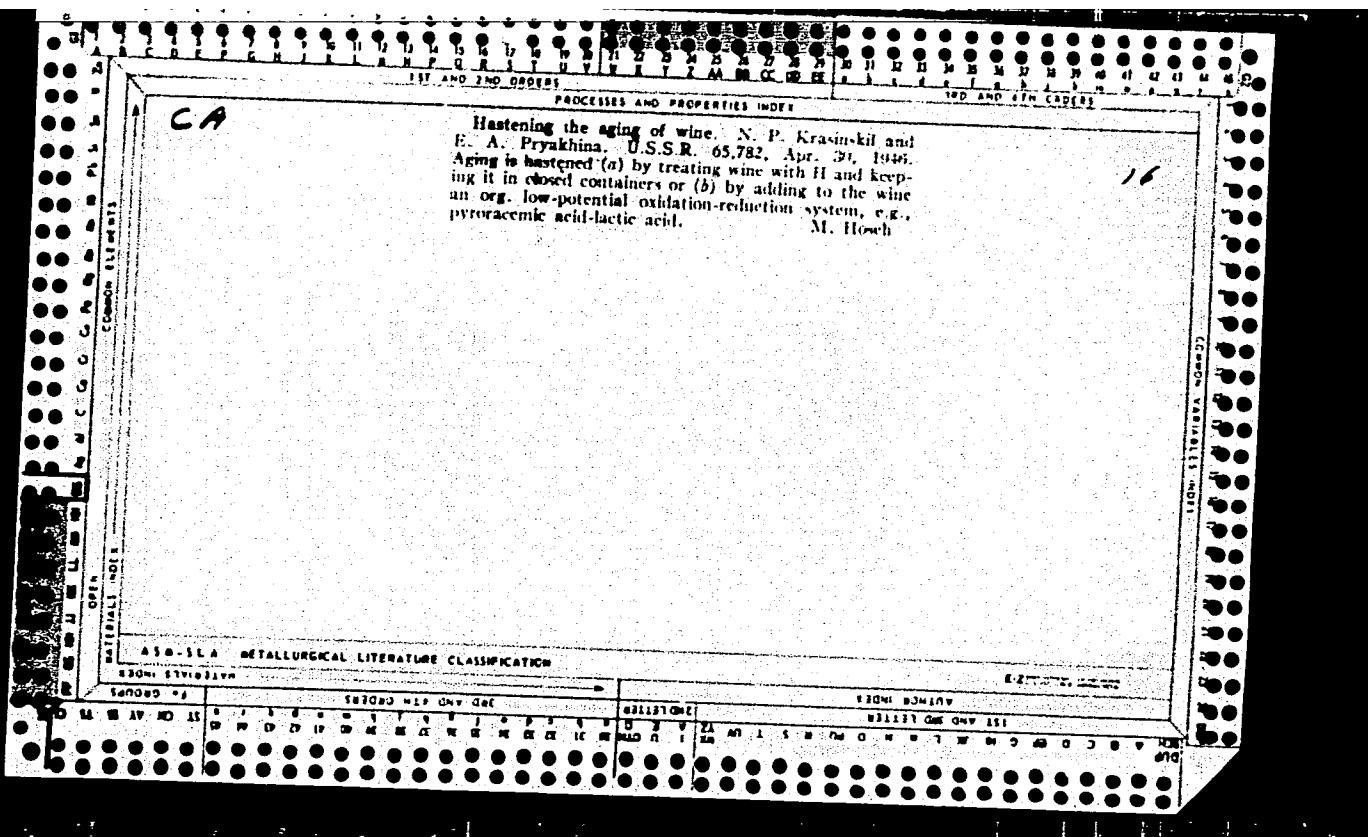
Technical progress is a prerequisite for the improvement of labor productivity indices in mining. Ugol' 36 no.2:42-51 F '61.

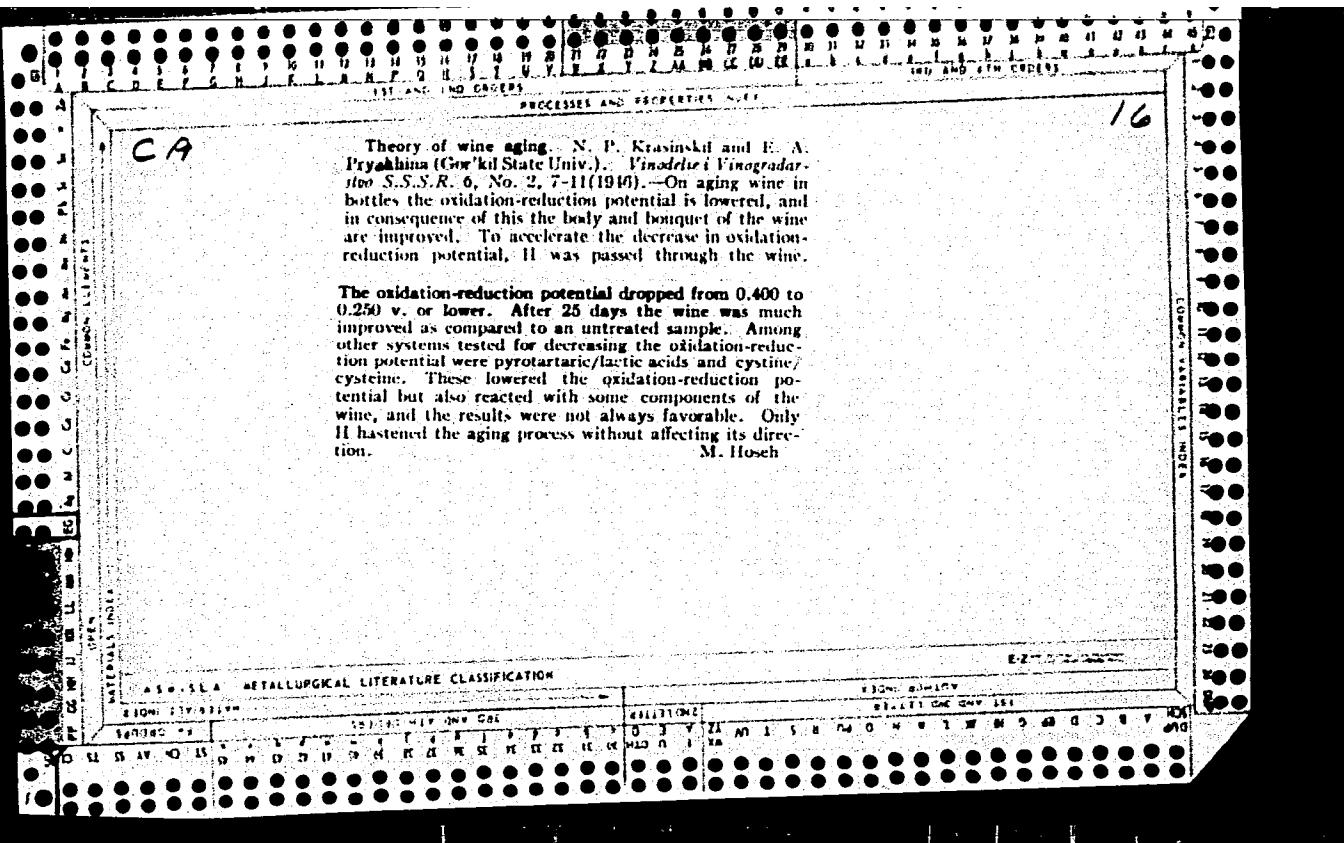
(MIA 14:2)

1. Nachal'nik shakhty im. Romyantseva kombinata Stalinugol' (Donbass) tresta Kalininugol' (for Pryakhin). 2. Glavnnyy inzhener shakhty im. Romyantseva kombinata Stalinugol' (Donbass), tresta Kalininugol' (for Kubanov).

(Coal mining machinery)

(Coal mines and mining—labor productivity)





KRASINSKIY, N. P., VALUTINA, V. A., and PRYAKHINA, A. A.

Mbr., Gorkiy State University (-1947-)

"Influence of Photosynthesis on the Oxidation-Reduction Systems of the Cells of Leaf Fibers," Dok. AN, 58, No. 7, 1947

USSR/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61509

Author: Kostsova, A. G., Pryakhina, E. A.

Institution: None

Title: Investigations of Alkane Sulfonic Acids. XIII. On Properties of N-arylamides of Alkane Sulfonic Acids

Original
Periodical: Zh. obsh. khimii, 1955, 25, No 13, 2497-2503

Abstract: Study of salt-formation, alkylation of the salts, acylation and chlorination of $C_2H_5SO_2NHC_6H_5$ (I). On methylation of I as well as of its Na- and Ag-salts there is formed $C_2H_5SO_2N(CH_3)C_6H_5$ (II). $C_2H_5SO_2Cl$ (III) in contrast with CH_3COCl and C_6H_5COCl (IV) reacts with I only in alkaline medium. Reaction with IV at $>200^{\circ}$ leads to formation of $C_6H_5CONHC_6H_5$ and III. On chlorination of I in lieu of N-chloramide there is formed apparently ethyl dichlorobenzene (V). To solution of 2 g I in 10 ml ether are added 0.125 g Na, to form 1 g of Na-salt of I which reacts in aqueous solution with

Card 1/2

USSR/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956.

Abstract: AgNO_3 to form the Ag-salt of I. To 2 g of Ag- or Na-salt of I is added an excess of CH_3J and after the usual treatment there are obtained 1 g of II MP $64-65^\circ$. 0.37 g I heated 3 hours on water bath with 0.18 ml CH_3COCl , yield of $\text{C}_2\text{H}_5\text{SO}_2\text{N}(\text{COCH}_3)\text{C}_6\text{H}_5$ 0.11 g, MP $108-109^\circ$ (from aqueous alcohol). 0.37 g I and 0.3 ml IV in pyridine heated 2 hours in oil bath to $110^\circ-120^\circ$ and after distilling off the pyridine in vacuum there are obtained 0.25 g $\text{C}_2\text{H}_5\text{SO}_2\text{N}(\text{COC}_6\text{H}_5)\text{C}_6\text{H}_5$ MP $119-120^\circ$ (from aqueous alcohol). The same substance was obtained from Na-salt of I and IV. To a solution of 0.55 g I in 8% NaOH added 0.38 g III, mixture heated for 5 hours on water bath and there are obtained 0.21 g $\text{C}_2\text{H}_5\text{SO}_2\text{N}(\text{SO}_2\text{C}_2\text{H}_5)\text{C}_6\text{H}_5$, MP $129-130^\circ$ (from aqueous alcohol). Into a suspension of 4 g I in 100 ml water at $0-2^\circ$ is passed for 3 hours a strong current of Cl_2 , and with ether there are extracted 3 g V, BP $40-60^\circ/5$ mm, $n^{20}\text{D}$ 1.46, d_4^{20} 1.0268. Communication XII, see Referat Zhur - Khimiya, 1955, 13967.

Card 2/2

AUTHORS: Mikhant'yev, B. I., Pryakhina, E. A. SOV/156-58-3-38/52

TITLE: The Synthesis of Ethyl, Isopropyl and n-Propyl- α -Methylallyl-acetal (Sintez etil-, izopropil- i n-propil- α -metilallyl-acetalej)

PERIODICAL: Nauchnyye doklady vysshyey shkoly, Khimiya i khimicheskaya tekhnologiya, 1958, Nr 3, pp.550-552 (USSR)

ABSTRACT: The authors investigated the interaction between α -methyl-alcohol with vinylethyl-, vinylisopropyl- and vinyl-n-propyl esters in the presence of acids acting as catalysts. Ethyl-isopropyl and n-propyl- α -methylallylacetals are produced in a yield of 70-80 %. The following syntheses were carried out: the synthesis of ethyl- α -methylallylacetals with boiling point 39-41°C, $d_4^{20} = 0,8351$, $nD^{20} = 1,4050$, in a yield of 77,7 %; the synthesis of isopropyl- α -methylallylacetals with boiling point 52-53°C, $d_4^{20} = 0,8315$, $nD^{20} = 1,4067$, in a yield of 100 %; the synthesis of n-propyl- α -methylallylacetals with a boiling point at 60-63°C, $d_4^{20} = 0,8369$, $nD^{20} = 1,4096$, in a yield of 97,3 - 97,7 %. The hydration of the acetal was carried out on a nickel skeleton catalyst.

Card 1/2

SOV 156-58-3-38/52

The Synthesis of Ethyl, Isopropyl and n-Propyl- α -Methylallylacetate

There are 4 references, which are Soviet.

ASSOCIATION: **Kafedra** naissii vysokomolekulyarnykh soyedineniy
Voronezhskogo gosudarstvennogo universiteta
(Chair for the Chemistry of High Molecular Compounds at
Voronezh State University)

SUBMITTED: January 17, 1958

Card 2/2

AUTHORS:

Mikhant'ev, B. I., Pryakhina, E. A. SOV/79-29-1-38/74

TITLE:

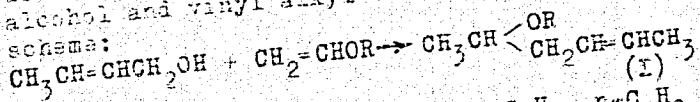
Synthesis of Ethyl-, Isopropyl-, n-Propyl-, Isobutyl-,
n-Butyl- and Isocamyl-Crotyl Acetal (Sintez etil-, izopropli-,
n.-propili-, izobutil-, n.-butil- i izoamilkrotilatsetaley)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 1, pp 179-181 (USSR)

ABSTRACT:

The acetals of the unsaturated ethylene alcohols (I) have been little investigated so far. However, they can be used for various chemical transformations. The present investigation dealt with the synthesis of acetals, on the basis of crotyl alcohol and vinyl alkyl ethers according to the following schema:



R = C₂H₅, iso-C₃H₇, n-C₃H₇, iso-C₄H₉, n-C₄H₉ and iso-C₆H₁₃.

The affiliation of the crotyl alcohol to the vinyl-alkyl ethers proceeds in an exothermic way. 30% hydrochloric acid was used as a catalyst. The ethyl-, isopropyl-, n-propyl-, isobutyl-, n-butyl-, and isocamyl-crotyl acetals synthesized are readily mobile liquids of tasting flavor. The quantitative

Card 1/2

Synthesis of Ethyl-, Isopropyl-, n-Propyl-, Isobutyl-, n-Butyl- and Isoamyl-Crotyl Acetal SOV/79-29-1-38/74

hydrogenation of the acetals (Ref 1) confirmed the presence of a double bond in them. The constants of the hydrogenation products separated correspond fairly with those described in publications (Ref 2). The purity of the acetals was determined by oximation. There are 7 Soviet references.

ASSOCIATION: Voronezhskiy Gosudarstvennyy Universitet (Voronezh State University)

SUBMITTED: November 29, 1957

Card 2/2

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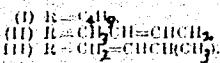
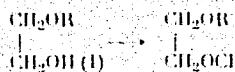
30V/79-30-3-44/69

AUTHORS: Mikhnant'yev, B. I., Pevakhina, E. A.

TITLE: Vinylation of Ethylene Glycol Monoethers

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol 30, Nr 3, pp 958-960 (USSR)

ABSTRACT: Synthesis of ethylene glycol monoethers with allyl radicals was studied.



The following compounds were obtained from ethylene glycol, metallic Na (added at 50°), and corresponding alkyl halides (added with heating on water bath):
monobutyl ether of ethylene glycol (61%), bp 78-80° (22 mm), d_4^{20} 0.8981, n_D^{20} 1.4197; α -methylallyl ether of ethylene glycol (17.6%), bp 68-70° (20-21 mm),
Card 1/2

Vinylation of Ethylene Glycol
Monoethers

730170
SOV/79-30-3-44/69

d_4^{20} 0.9147, n_D^{20} 1.4310; monocrotyl ether of ethylene glycol (27.6%), bp 85-87° (21-22 mm), d_4^{20} 0.9387, n_D^{20} 1.4428. The following vinyl ethers were obtained by vinylation of the ethers in autoclaves (max pr 45 atm) at 150° with 10% KOH: vinyl butyl ether of ethylene glycol (70%), bp 70-72° (20-21 mm), d_4^{20} 0.8653, n_D^{20} 1.4213; vinyl crotyl ether of ethylene glycol (59%), bp 77-80°, (21-22 mm) d_4^{20} 0.8958, n_D^{20} 1.4410; vinyl α -methylallyl ether of ethylene glycol (69%), bp 72-74° (36 mm), d_4^{20} 0.8761, n_D^{20} 1.4300. There are 4 references, 1 U.S., 3 Soviet. The U.S. reference is: W. H. Watanabe, L. E. Conlon, J. Am. Chem. Soc., 79, 2828 (1957).

ASSOCIATION: Voronezh State University (Voronezhskiy gosudarstvennyy universitet)

SUBMITTED: March 24, 1959

Card 2/2

MIKHANT'YEV, B.I.; PRYAKHINA, E.A.

Synthesis of acetals based on vinyl ethers of n-butyl- and
crotyloxyethanols. Zhur.ob.khim. 31 no.8:2766-2768 Ag '61.
(MIRA 14:8)

1. Voronezhskiy gosudarstvennyy universitet.
(Acetals) (Ethanol)

MASAGUTOV, R.M.; DANILOVA, R.A.; ZAITOVA, A.Ya.; GILYAZEV, N.G.;
ZAGRYATSKAYA, L.M.; BUGAY, Ye.O.; PRYAKHINA, K.F.

High-temperature catalytic cracking of heavy fractions of
straight-run gasoline. Trudy BashNII NP no.6:14-18 '63.
(MIRA 17:5)

5
(3)

Rate of oxidation of quaternary alloys of iron-chromium-nickel and manganese. I. I. Kornilov, A. T. Durnov, and L. A. Pravdin. *Doklady Akad. Nauk S.S.R.* **58**, 1005-1017 (1968).—Oxidation rates of alloys contg. 17.3-20.5% Cr, 7.8-9.2% Ni, 16.7-28.5% Mn, and 58.2-68.5% Fe were detd. The results, given graphically, indicate that at 1000° alloys contg. Mn and Fe oxidize more rapidly than those contg. Cr or Ni. In order of rate of oxidation the series is Mn, Fe, Cr, and Ni. Most of the oxidation falls to Mn and it detm. the general rate of reaction. Apparently MnO , Fe_2O_3 , Cr_2O_3 , and NiO are the products. MnO and Fe_2O_3 are unstable oxides under conditions of alternate heating and cooling and they do not form a protective film.

G. M. Kosolapoff

USSR/Metallurgy - Aluminum-Magnesium
Heat Resistance

Dec 52

"Effect of Temperature on the Heat Resistance of
the Alloys of the Aluminum-Magnesium System,"
I. I. Kornilov and L. I. Pryakhina, Inst of Gen-
eral and Inorganic Chem imeni N. S. Kurnakov,
Acad Sci USSR

"IAN SSSR" Vol 87, No 6, pp 971-974

H 240777
Constructs for the first time compn vs heat re-
sistance diagrams for alloys of Al-Mg system and,
analyzing them, explains discrepancy in exptl
data of various investigators. Some data show

240777

max heat resistance in region of unsaturated solid
solns, while data of other investigators place
this max in region of complete satn. Submitted
by Acad G. G. Urazov 20 Oct 52.

240777

Pryakhina, L. I.

PRYAKHINA, L. I.

6

USSR

✓ "The Relation Between the Composition, Temperature, and Strength of Aluminium-Magnesium Alloys. I. I. Kornilov and L. I. Pryakhina (Izdat. Akad. Nauk S.S.R., 1954,

(Tekhn.), (9), 85-80). [In Russian]. The influence of temp. upon the strength of Al-Mg alloys was studied between 20° and 400° C. in relation to the compn. in the range 0-12 wt.-% Mg. The specimens were subjected to bending tests, and for each temp. a different value of stress was chosen in order to produce slow deformation in the course of several tens or hundreds of hr. At 400° C. the max. strength was shown by pure Al; at lower temp. the region of alloys of high strength shifted gradually towards the alloys contg. more Mg, the max. becoming wider as the temp. was lowered. Thus, at 300° C., the alloys contg. 6-6 wt.-% Mg possessed the greatest strength; at 20° C. those contg. 4-12 wt.-% Mg. Above 300° C., the alloys which retained most strength were homogeneous solid soln. of Mg in Al. The max. strength at 300° C. corresponded to the max. solubility of Mg in Al, and below 200° C. to the alloys composed of two phases. This behaviour was explained by the fact that the solidus temp. of the homogeneous solid soln. is higher than the initial m.p. of the two-phase alloys.—S. K. L.

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M. J.

PRYAKHINA, I. I.

Pryakhina, I. I., Ozhimkova, O. V., "Influence of Time and Temperature
of Aging on the Heat Resistance of the Alloy EI-437."

in book Research on Heat Resistant Alloys, pub by Acad. Sci. USSR,
Moscow, 1956, 160 pp.

Inst. Metallurgy im A. A. Baykov

PRYAKHINA, L. I.

Kornilov, T. I., Pryakhina, L. I., "Heat Resistance of Alloys
of the Fourth System-Nickel-Chrome-Aluminum-Niobium."

in book Research on Heat Resistant Alloys, pub by Acad. Sci. USSR,
Moscow, 1956, 160pp.

Inst. Metallurgy im A. A. Raykov

PRYAKHINA, N. I.

18 17 4E2c-1
✓ Study of a portion of the five-component system nickel-chromium-tungsten-titanium-aluminum. V. I. Kormilov, L. I. Pryakhina, and O. V. Ozumkova. Bull. Acad. Sci. U.S.S.R. Div. Chem. Sci. 1956, 907-9 (English translation). See C.A. 51, 3418g.

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PRYAKHINA, L.I.

E-9

USSR / Mechanical Properties of Crystals and Polycrystallic Compounds.

Abs Jour : Ref Zhur - Fizika, No 4, 1957, No 9454

Author : Kornilov, I.I., Pryakhina, L.I.

Inst : Institute of Metallurgy, Academy of Sciences USSR

Title : Diagram of Composition vs Refractoriness of Alloys of the Triple System Nickel-Chrome-Titanium.

Orig Pub : Izv. AN SSSR, Otd. tekhn. n., 1956, No 7, 103-110

Abstract : An investigation is made of the hardness, of the electric resistivity, of the microstructure, and of the refractory properties of the triple system Ni-Cr-Ti through two parallel sections with constant contents of Cr (10% and 20%) and with variable content of Ti (from 0 to 15%). Alloys of a batch of 100 grams were molten in a high frequency furnace and the specimens were subjected to heat treatment: heating at 1200° with soaking for six hours, cooling

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USSR / Mechanical Properties of Crystals and Polycrystallic Compounds.

E-9

Abs Jour : Ref Zhur - Fizika, No 4, 1957, No 9454

Abstract : to 1150° and soaking for 18 hours, cooling to 800° and soaking for 24 hours. It was established that the limiting solubility of Ti in homogeneous gamma-solid solution of Ni at 800 is 5.5 -- 6% Ti for the section with 10% chromium, and 3.0 -- 3.5% Ti for the section with 20% chromium. On the hardness curve of the triple alloys with 10% chromium there is a sharp increase at 4.5 -- 5% Ti. The maximum of hardness and electric resistivity corresponds to an alloy with 9.5% titanium ($H_B = 270 \text{ kg/mm}^2$, $\varrho = 1.655 \text{ ohm-mm}^2/\text{m}$). On the hardness curve of triple alloys with 20% chromium there is a sharp increase at 3.4% Ti. The maximum hardness corresponds to an alloy with 15% Ti ($H_B = 390 \text{ kg/mm}^2$). The maximum electric conductivity ($\varrho = 1.550 \text{ ohm mm}^2/\text{m}$) is obtained for the alloy with 10% Ti. The maximum refractoriness (when tested up to 1000 hours at 800° and 6.4 kg/cm^2) is exhibited by the triple alloys with 5.7 -- 7.6% titanium for the section with 10% chromium and 3.4 -- 4.4% titanium for the section with 20% chromium (compositions of saturated and supersaturated solid solutions).

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